CLAIMS AMENDMENTS

What is claimed is:

- 1. (Currently amended) A <u>method of making a magnetorheological device, said</u>
 <u>method comprising, providing combination comprising:</u>
- (A)—a container at a magnetorheological fluid manufacturing location, the container comprised of a first container end, a second container end and a wall extending between the first and second container ends, the container defining a chamber, the first and second container ends being closed, the container further comprising an inlet port and a discharge port;
 - (B)—a mixing element located in the chamber;
- (C)—a driven member comprising a first member end made integral with the mixing element and a second member end located outside of the chamber, the second member end including a first coupling means;

dispersing a plurality of soft magnetic particles in a liquid carrier to provide a magnetorheological fluid, said magnetorheological fluid having a selected soft magnetic particle density,

filling said container via said inlet port at said magnetorheological fluid manufacturing location with said magnetorheological fluid having said selected soft magnetic particle density,

transporting said magnetorheological fluid in said container to a destination location,

(D) motive force supplying means adapted to be removably located at one container end, the motive force supplying means comprising second coupling means adapted to be coupled with coupling a motive force to the first coupling means to drive said driven member and integral mixing element at said destination location inorder to provide said selected soft magnetic particle density.

transferring a portion of said magnetorheological fluid with said selected soft magnetic particle density through said discharge port to a magnetorheological device

at said destination location to provide a magnetorheological device containing said magnetorheological fluid at said destination location, said magnetorheological device containing said magnetorheological fluid with said selected soft magnetic particle density,

returning said container to a magnetorheological fluid manufacturing location and refilling said container with a magnetorheological fluid comprised of a plurality of soft magnetic particles in a liquid carrier

; and

- (E) a volume of field responsive material in the chamber.
- 2. (Currently amended) The <u>method combination</u> as claimed in claim 1 wherein the field responsive material is magnetorheological fluid dispersing a plurality of soft magnetic particles in a liquid carrier to provide a magnetorheological fluid comprises dispersing a plurality of iron particles in an oil.
- 3. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the container is a drum having a volumetric capacity equal to fifty-five gallons.
- 4. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the container is comprised of a drum having a volumetric capacity of about fifty-five gallons.
- 5. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the discharge port is located between the first and second container ends.
- 6. (Currently amended) The <u>method</u> combination as claimed in claim 5 wherein the discharge port is located in the container wall.
- 7. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the discharge port is located at the first end.

- 8. (Currently amended) The <u>method</u> eombination as claimed in claim 5 wherein the inlet is located at the first container end.
- 9. (Currently amended) The <u>method</u> eombination as claimed in claim 6 wherein the inlet is located at the first end.
- 10. (Currently amended) The <u>method</u> eombination as claimed in claim 1 wherein the mixing element is comprised of a squirrel cage.
- 11. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the mixing element is comprised of a propeller mixer.
- 12. (Currently amended) The <u>method</u> eombination as claimed in claim 1 wherein the mixing element is further comprised of an axial weld mixer.
- 13. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the mixing element is further comprised of a hydrofoil mixer
- 14. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the mixing element is further comprised of a vortex mixer.
- 15. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the first end is closed by a lid, the lid being secured to the first container end by attachment means.
- 16. (Currently amended) The <u>method</u> combination as claimed in claim <u>15</u> 14 wherein the attachment means comprises means for indicating if the lid is removed.
- 17. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the motive force supplying means is comprised of an electric motor.

- 18. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the first and second coupling means are is comprised of a torque coupling couplings.
- 19. (Currently amended) The <u>method</u> eombination as claimed in claim <u>17</u> 4 wherein the <u>electric</u> motor is removably coupled to the container by at least two toggle clamps that engage flange means on the container.
- 20. (Currently amended) The <u>method</u> eombination as claimed in claim 1 wherein the container further comprises a flow conduit flow connected to the inlet port, the flow conduit extending into the chamber, the flow conduit having a conduit discharge end located proximate the container wall.
- 21. (Currently amended) The <u>method</u> eombination as claimed in claim 1 wherein the field responsive material is magnetorheological fluid dispersing a plurality of soft magnetic particles in a liquid carrier to provide a magnetorheological fluid comprises dispersing a plurality of carbonyl iron particles with a mean diameter between 0.1 μm and about 500 μm.
- 22. (Currently amended) The <u>method combination</u> as claimed in claim 1 wherein the discharge port is located at the second end.
- 23. (Currently amended) The <u>method combination</u> as claimed in claim 1 wherein at least one baffle is located in the chamber.
- 24. (Currently amended) The <u>method</u> eombination as claimed in claim 23 wherein the at least one baffle is made integral with the container wall.
- 25. (Currently amended) The <u>method</u> combination as claimed in claim 23 wherein the at least one baffle is substantially perpendicular to the wall.
- 26. (Currently amended) The <u>method combination</u> as claimed in claim 23 wherein the at least one baffle has a rectangular shape.

- 27. (Currently amended) The <u>method</u> eombination as claimed in claim 23 wherein the at least one baffle extends axially between the container ends.
- 28. (Currently amended) The <u>method</u> combination as claimed in claim 1 wherein the container is comprised of a drum having a volumetric capacity between about two hundred fifty and about six hundred gallons.
- 29. (Currently amended) A method for providing a magnetorheological fluid with a selected soft magnetic particle density, said method comprising: providing a container, said container having container comprising: a first container end, a second container end and a wall extending between the first and second container ends, the container defining a chamber, the first and second container ends being closed, the container further comprising an inlet port and a discharge port; a mixing element fixedly located in the chamber; a driven member comprising a first member end made integral with the mixing element and a second member end located outside of the chamber, the

second member end including a first coupling means;

providing a magnetorheological fluid having a selected soft magnetic particle density, storing said magnetorheological fluid in said container chamber, coupling a motive force to said first coupling means and driving said driven member

and said integral mixing element inorder to remix said stored magnetorheological fluid in said container chamber to provide said selected soft magnetic particle density, dispensing said remixed stored magnetorheological fluid from said container and a volume of field responsive material located in the chamber.

30. (Currently amended) The method container as claimed in claim 29 wherein
providing a magnetorheological fluid having a selected soft magnetic particle density
comprises dispersing a plurality of iron particles in an oil wherein the container
comprises a
motive force supplying means adapted to be removably located at one
container end, the motive force supplying means comprising second coupling
means adapted to be coupled with the first coupling means to drive said driven
member and integral mixing element.

- 31. (Currently amended) The <u>method container</u> as claimed in claim 29 wherein the container is made integral with a base.
- 32. (Currently amended) The <u>method container</u> as claimed in <u>claim 29 wherein</u> providing a magnetorheological fluid having a selected soft magnetic particle density comprises dispersing a plurality of carbonyl iron particles with a mean diameter between 0.1 µm and about 500 µm in a liquid oil elaim 31 wherein the base is a palette.
- 33. (Currently amended) The <u>method</u> container as claimed in claim 29 wherein said container includes a the-discharge port is located on the wall near the second end, the discharge port being substantially enclosed by a shroud.